ENTERED

#22

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/424,482D

DATE: 03/19/2002
TIME: 14:03:03

Input Set : A:\264974be.app
Output Set: N:\CRF3\03192002\I424482D.raw

```
 3 <110> APPLICANT: CHOO, YEN
 4        KLUG, AARON
 5        ISALAN, MARK
 7 <120> TITLE OF INVENTION: NUCLEIC ACID BINDING POLYPEPTIDE LIBRARY
 9 <130> FILE REFERENCE: 71278/264974/BET
11 <140> CURRENT APPLICATION NUMBER: 09/424,482D
12 <141> CURRENT FILING DATE: 2000-02-29
14 <150> PRIOR APPLICATION NUMBER: 09/424,482
15 <151> PRIOR FILING DATE: 1999-11-23
17 <150> PRIOR APPLICATION NUMBER: PCT/GB98/01510
18 <151> PRIOR FILING DATE: 1998-05-26
20 <150> PRIOR APPLICATION NUMBER: GB 9710809.6
21 <151> PRIOR FILING DATE: 1997-05-23
23 <160> NUMBER OF SEQ ID NOS: 114
25 <170> SOFTWARE: PatentIn version 2.1
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 9
29 <212> TYPE: DNA
30 <213> ORGANISM: Artificial Sequence
32 <220> FEATURE:
33 <223> OTHER INFORMATION: Description of Artificial Sequence: LIB-A DNA sorting
34        sequence
36 <220> FEATURE:
37 <221> NAME/KEY: modified_base
38 <222> LOCATION: (2)
39 <223> OTHER INFORMATION: a, t, c or g
41 <220> FEATURE:
42 <221> NAME/KEY: modified_base
43 <222> LOCATION: (3)..(4)
44 <223> OTHER INFORMATION: variable nucleotide
46 <400> SEQUENCE: 1
47 gnnncggcg                                                             9
50 <210> SEQ ID NO: 2
51 <211> LENGTH: 9
52 <212> TYPE: DNA
53 <213> ORGANISM: Artificial Sequence
55 <220> FEATURE:
56 <223> OTHER INFORMATION: Description of Artificial Sequence: LIB-B DNA sorting
57        sequence
59 <220> FEATURE:
60 <221> NAME/KEY: modified_base
61 <222> LOCATION: (3)..(4)
62 <223> OTHER INFORMATION: variable nucleotide
```

W-->

RAW SEQUENCE LISTING
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```
     64 <400> SEQUENCE: 2
W--> 65 gcnncggcg                                                         9
     68 <210> SEQ ID NO: 3
     69 <211> LENGTH: 9
     70 <212> TYPE: DNA
     71 <213> ORGANISM: Artificial Sequence
     73 <220> FEATURE:
     74 <223> OTHER INFORMATION: Description of Artificial DNA: LIB 1/2 sorting
     75       sequence
     77 <220> FEATURE:
     78 <221> NAME/KEY: modified_base
     79 <222> LOCATION: (5)..(9)
     80 <223> OTHER INFORMATION: Any given nucleotide
     82 <400> SEQUENCE: 3
W--> 83 gcggnnnnn                                                         9
     86 <210> SEQ ID NO: 4
     87 <211> LENGTH: 31
     88 <212> TYPE: PRT
     89 <213> ORGANISM: Artificial Sequence
     91 <220> FEATURE:
     92 <223> OTHER INFORMATION: Description of Artificial Sequence: Zinc finger
     94 <220> FEATURE:
     95 <221> NAME/KEY: MOD_RES
     96 <222> LOCATION: (1)..(2)
     97 <223> OTHER INFORMATION: Any amino acid
     99 <220> FEATURE:
    100 <221> NAME/KEY: MOD_RES
    101 <222> LOCATION: (4)..(8)
    102 <223> OTHER INFORMATION: Any amino acid
    104 <220> FEATURE:
    105 <221> NAME/KEY: MOD_RES
    106 <222> LOCATION: (10)..(23)
    107 <223> OTHER INFORMATION: Any amino acid
    109 <220> FEATURE:
    110 <221> NAME/KEY: MOD_RES
    111 <222> LOCATION: (25)..(30)
    112 <223> OTHER INFORMATION: Any amino acid
    114 <220> FEATURE:
    115 <221> NAME/KEY: MOD_RES
    116 <222> LOCATION: (31)
    117 <223> OTHER INFORMATION: His or Cys
    119 <220> FEATURE:
    120 <223> OTHER INFORMATION: Positions 1-2 may vary in length from
    121       0-2 residues
    123 <220> FEATURE:
    124 <223> OTHER INFORMATION: Positions 4-8 may vary in length from
    125       1-5 residues
    127 <220> FEATURE:
    128 <223> OTHER INFORMATION: Positions 10-23 may vary in length from
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RAW SEQUENCE LISTING   DATE: 03/19/2002
PATENT APPLICATION: US/09/424,482D   TIME: 14:03:03

Input Set : A:\264974be.app
Output Set: N:\CRF3\03192002\I424482D.raw

```
129       9-14 residues
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Positions 25-30 may vary in length from
133       3-6 residues
135 <400> SEQUENCE:. 4
```
W-->136 Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa Xaa Xaa
```
137   1           5               10              15
```
W-->139 Xaa Xaa Xaa Xaa Xaa Xaa Xaa His Xaa Xaa Xaa Xaa Xaa Xaa Xaa
```
140             20              25              30
143 <210> SEQ ID NO: 5
144 <211> LENGTH: 24
145 <212> TYPE: PRT
146 <213> ORGANISM: Artificial Sequence
148 <220> FEATURE:
149 <223> OTHER INFORMATION: Description of Artificial Sequence: Zinc finger
151 <220> FEATURE:
152 <221> NAME/KEY: MOD_RES
153 <222> LOCATION: (1)
154 <223> OTHER INFORMATION: Any amino acid
156 <220> FEATURE:
157 <221> NAME/KEY: MOD_RES
158 <222> LOCATION: (3)..(6)
159 <223> OTHER INFORMATION: Any amino acid
161 <220> FEATURE:
162 <221> NAME/KEY: MOD_RES
163 <222> LOCATION: (8)..(10)
164 <223> OTHER INFORMATION: Any amino acid
166 <220> FEATURE:
167 <221> NAME/KEY: MOD_RES
168 <222> LOCATION: (12)..(16)
169 <223> OTHER INFORMATION: Any amino acid
171 <220> FEATURE:
172 <221> NAME/KEY: MOD_RES
173 <222> LOCATION: (15)..(16)
174 <223> OTHER INFORMATION: Any amino acid
176 <220> FEATURE:
177 <221> NAME/KEY: MOD_RES
178 <222> LOCATION: (18)..(19)
179 <223> OTHER INFORMATION: Any amino acid
181 <220> FEATURE:
182 <221> NAME/KEY: MOD_RES
183 <222> LOCATION: (21)..(23)
184 <223> OTHER INFORMATION: Any amino acid
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Positions 3-6 may vary in length from
188       2-4 residues
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Positions 8-10 may vary in length from
192       2-3 residues
```

```
                    RAW SEQUENCE LISTING            DATE: 03/19/2002
                    PATENT APPLICATION:  US/09/424,482D    TIME: 14:03:03

                    Input Set : A:\264974be.app
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       194 <400> SEQUENCE: 5
W-->   195 Xaa Cys Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Phe Xaa Xaa Xaa Xaa Xaa
       196  1               5                   10                  15
W-->   198 Leu Xaa Xaa His Xaa Xaa Xaa His
       199                 20
       202 <210> SEQ ID NO: 6
       203 <211> LENGTH: 4
       204 <212> TYPE: PRT
       205 <213> ORGANISM: Artificial Sequence
       207 <220> FEATURE:
       208 <223> OTHER INFORMATION: Description of Artificial Sequence: Linker
       210 <400> SEQUENCE: 6
       211 Thr Gly Glu Lys
       212 1
       215 <210> SEQ ID NO: 7
       216 <211> LENGTH: 5
       217 <212> TYPE: PRT
       218 <213> ORGANISM: Artificial Sequence
       220 <220> FEATURE:
       221 <223> OTHER INFORMATION: Description of Artificial Sequence: Linker
       223 <400> SEQUENCE: 7
       224 Thr Gly Glu Lys Pro
       225 1               5
       228 <210> SEQ ID NO: 8
       229 <211> LENGTH: 26
       230 <212> TYPE: PRT
       231 <213> ORGANISM: Artificial Sequence
       233 <220> FEATURE:
       234 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
       235       structure sequence
       237 <400> SEQUENCE: 8
       238 Pro Tyr Lys Cys Pro Glu Cys Gly Lys Ser Phe Ser Gln Lys Ser Asp
       239 1               5                   10                  15
       241 Leu Val Lys His Gln Arg Thr His Thr Gly
       242                 20                  25
       245 <210> SEQ ID NO: 9
       246 <211> LENGTH: 29
       247 <212> TYPE: PRT
       248 <213> ORGANISM: Artificial Sequence
       250 <220> FEATURE:
       251 <223> OTHER INFORMATION: Description of Artificial Sequence: Consensus
       252       structure sequence
       254 <400> SEQUENCE: 9
       255 Pro Tyr Lys Cys Ser Glu Cys Gly Lys Ala Phe Ser Gln Lys Ser Asn
       256 1               5                   10                  15
       258 Leu Thr Arg His Gln Arg Ile His Thr Gly Glu Lys Pro
       259                 20                  25
       262 <210> SEQ ID NO: 10
       263 <211> LENGTH: 6
```

```
     264 <212> TYPE: PRT
     265 <213> ORGANISM: Artificial Sequence
     267 <220> FEATURE:
     268 <223> OTHER INFORMATION: Description of Artificial Sequence: Leader peptide
     270 <400> SEQUENCE: 10
     271 Met Ala Glu Glu Lys Pro
     272 1               5
     275 <210> SEQ ID NO: 11
     276 <211> LENGTH: 9
     277 <212> TYPE: DNA
     278 <213> ORGANISM: Artificial Sequence
     280 <220> FEATURE:
     281 <223> OTHER INFORMATION: Description of Artificial DNA: LIB 2/3 DNA
     282       sorting sequence
     284 <220> FEATURE:
     285 <221> NAME/KEY: modified_base
     286 <222> LOCATION: (1)..(5)
     287 <223> OTHER INFORMATION: Any given nucleotide
     289 <400> SEQUENCE: 11
W--> 290 nnnnnggcg                                                      9
     293 <210> SEQ ID NO: 12
     294 <211> LENGTH: 9
     295 <212> TYPE: DNA
     296 <213> ORGANISM: Artificial Sequence
     298 <220> FEATURE:
     299 <223> OTHER INFORMATION: Description of Artificial Sequence: Zinc finger -DNA
     300       interaction sequence
     302 <400> SEQUENCE: 12
     303 cgcccacgc                                                      9
     306 <210> SEQ ID NO: 13
     307 <211> LENGTH: 9
     308 <212> TYPE: DNA
     309 <213> ORGANISM: Artificial Sequence
     311 <220> FEATURE:
     312 <223> OTHER INFORMATION: Description of Artificial Sequence: Zinc finger-DNA
     313       interaction sequence
     315 <400> SEQUENCE: 13
     316 acgcccacg                                                      9
     319 <210> SEQ ID NO: 14
     320 <211> LENGTH: 9
     321 <212> TYPE: DNA
     322 <213> ORGANISM: Artificial Sequence
     324 <220> FEATURE:
     325 <223> OTHER INFORMATION: Description of Artificial Sequence: Zinc finger-DNA
     326       interaction sequence
     328 <400> SEQUENCE: 14
     329 gcgtgggcg                                                      9
     332 <210> SEQ ID NO: 15
     333 <211> LENGTH: 9
```

Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY   DATE: 03/19/2002
PATENT APPLICATION: US/09/424,482D   TIME: 14:03:04

Input Set : A:\264974be.app
Output Set: N:\CRF3\03192002\I424482D.raw

```
L:47  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:65  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:83  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:198 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:347 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:388 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19
```